

CURRICULUM VITAE

NAME: Neil Gehrels

CITIZENSHIP: United States

DATE OF BIRTH: October 3, 1952

PRESENT POSITION: Chief, Astroparticle Physics Laboratory, NASA/GSFC
College Park Professor of Astronomy, U. Maryland
Adjunct Professor of Astronomy & Astrophysics, Penn State

RESEARCH AREAS: Time domain astronomy
Gamma-ray burst & supernova observations
Astroparticle physics
Instrument development

EDUCATION: 1982 Ph.D. Physics, Caltech
1976 B.S. (Honors) Physics, University of Arizona
1976 B.M. Music, University of Arizona

PREVIOUS POSITIONS: 1995 Visiting Professor of Astronomy, U. Maryland
1981-83 NAS/NRC Research Associate, GSFC
1977-81 Graduate Research Assistant, Caltech
1976-77 Graduate Fellow, Caltech
1974 Summer Research Assistant, Max Planck Inst.
1973-76 Undergraduate Research Assistant, U. Arizona

HONORS AND AWARDS: 2012, Fellow, American Association for the Advancement of Science
2012, Alumnus of the Year, Honors College, University of Arizona
2012, Harrie Massey Award, COSPAR
2011, Rossi Prize, AAS, P. Michelson, W. Attwood & Fermi team
2011, election to International Academy of Astronautics
2010, election to National Academy of Sciences
2009, Maria & Eric Muhlmann Award, Astron Soc Pacific, Swift Team
2009, George W. Goddard Award, SPIE society
2009, Henry Draper Medal, National Academy of Sciences
2008, election to American Academy of Arts and Sciences
2007, Bruno Rossi Prize, AAS, N. Gehrels & Swift Team
2006, Popular Science, Best of What's New Award, Swift Team
2005, NASA Exceptional Scientific Achievement Medal
2005, GSFC John C. Lindsay Award
2000, Randolph Lovelace Award, American Astronautical Society
1993, Fellow, American Physical Society
1993, NASA Outstanding Leadership Medal
1992, Discover Magazine Award for Technological Innovation
1976, Caltech Graduate Fellowship

1975, Phi Beta Kappa

- LECTURESHIPS:** 2014, Univ. Alabama Huntsville Distinguished Speaker, Sept 10-12
 2013, John Bachall Lecture, Weizmann Institute, Feb 5-7
 2012, Marker Lecture, Penn State U., Mar 21-22
 2009, Marlar Lecture, Rice University, Apr 7-8
 2009, George Darwin Lecture, Royal Astronomical Society, Oct 9
- PROJECTS:** Project Scientist, WFIRST (formerly JDEM), 2008 -
 Principal Investigator, Swift 1999 -
 Deputy Project Scientist, Fermi, 2000 -
 Mission Scientist, INTEGRAL, 1995-
 Project Scientist, CGRO, 1991-2001
- CO-INVESTIGATOR:** ZTF Consortium
 LIGO Scientific Collaboration
 LAT instrument on Fermi
 INFOCUS balloon payload
 WIND Transient Gamma-Ray Spectrometer (TGRS)
 GRIS balloon payload
 Galileo Heavy Ion Counter (HIC)
- COMMITTEES AND OFFICES:** President, IAU Commission D.1 Gravitational Wave Astrophs, 2015-
 Member, NAS Space Studies Board Executive Committee, 2015-
 Member, IAU Women in Astronomy Committee, 2015-
 Member, ZTF Community Science Advisory Committee, 2014-
 Member, NAS Space Studies Board, 2013-
 Chair, Astronomy Section, National Academy of Sciences, 2013-
 Co-Chair, WFIRST Science Definition Team, 2013-15
 Member, Dean's Advisory Committee, MIT Kavli Institute, 2013-
 Chair, Max Planck (MPE) Science Board, 2013-
 Member, Science Council, CEA Saclay IRFU, 2013-
 Co-Chair, WFIRST-AFTA Science Definition Team, 2012-13
 Member, US National Committee of the IAU, 2012-
 Member, Committee on the Status of Women in Astronomy, 2012-15
 Member, Committee on Astronomy and Public Policy, AAS, 2011-
 Chair, Commission E, COSPAR, 2006-2012
 Chair, Division of Astrophysics, APS 2007-2008
 Member, Science & Technology Committee, LANL & LLNL, 2010-
 Member, LIGO Program Advisory Committee, 2005 - 2009
 Member, VERITAS External Scientific Advisory Com., 2005 -
 Member, Los Alamos Sensors External Review Com., 2008
 Member, Naval Research Lab Focus Area Review Com., 2008
 External Scientific Advisor, CESR Scientific Council, 2003
 Member, CEA DAPNIA Scientific Review Committee, 2001, 2004
 Secretary/Treas., Division of Astrophysics, APS, 1998-2001
 Member, NASA, Structure & Evolution of Universe, 1995-2001

Chair, High Energy Astrophysics Division, AAS, 1996-97
Co-Chair, Gamma Ray Astronomy Program Working Group, 1995-
Secretary/Treas., High Energy Astrophysics Division, AAS, 1991-93
Member, NASA High Energy Astrophysics Management Operations
Working Group, 1991-1994

PROFESSIONAL SOCIETY
MEMBERSHIPS:

American Astronomical Society
International Astronomical Union
American Physical Society (Fellow)
Astronomical Society of the Pacific
American Geophysical Union
American Association for the Advancement of Science (Fellow)

BOOKS:

9. 2013 7th Huntsville Gamma-Ray Burst Symposium, ed. by N. Gehrels, M. S. Briggs and V. Connaughton, eConf Electronic Conference Proceedings Archive, C1304143
8. 2011 Gamma-Ray Bursts 2010, ed. J. E. McEnery, J. L. Racusin, and N. Gehrels, AIP Conf. Proc. 1358 (AIP, New York)
7. 2009 Gamma-Ray Bursts; 6th Huntsville Symposium, ed. C. Meegan, N. Gehrels, and C. Kouveliotou, AIP Conf Proc. 1133 (AIP, New York)
6. 2006 Gamma-Ray Bursts in the Swift Era, ed. S. S. Holt, N. Gehrels, and J. A. Nousek, AIP Conf. Proc. 836 (AIP, New York)
5. 2001 Gamma 2001, ed. S. M. Ritz, N. Gehrels and C. R. Shrader, AIP Conf. Proc. 587 (AIP, New York).
4. 1994 Second Compton Symposium, ed. C. E. Fichtel, N. Gehrels, and J. Norris, AIP Conf. Proc. 304 (AIP, New York).
3. 1993 Compton Gamma-Ray Observatory, ed. M. Friedlander, N. Gehrels and D. Macomb, AIP Conf. Proc. 280 (AIP, New York).
2. 1991 Compton Observatory Science Workshop, ed. C. R. Shrader, N. Gehrels and B. Dennis, NASA Conference Publication 3137.
1. 1988 Nuclear Spectroscopy of Astrophysical Sources, ed. N. Gehrels and G. H. Share, AIP Conf. Proc. 170 (AIP, New York).

INVITED TALKS:

249. 2015 "The WFIRST Mission", Radio Astronomy conference, Chicago, Dec 17
248. 2015 "The WFIRST Mission", GSFC-JHU interaction day, Nov 18
247. 2015 "Adventures in Time Domain Astronomy", Howard U., Nov 17
246. 2015 "Adventures in Time Domain Astronomy", George Mason U., public talk, Nov 16
245. 2015 "Adventure in Time Domain Astronomy", Phys - Astronomy colloquium, Clemson, Oct 22
244. 2015 "Time Domain Observations with Swift and Fermi", Swinburne-Caltech Workshop, Oct 5
243. 2015 "Gamma Ray Bursts", NASM Goddard Symposium, Sept 30
242. 2015 "Adventures in Astrophysics", MANIAC talk, GSFC, Sept 29
241. 2015 "The Transient High Energy Sky", 17th Lomonosov Conference, Moscow, Aug 23
240. 2015 "Multimessenger Observations & Opportunities for GRBs", IAU, Honolulu, Aug 7
239. 2015 "Explosions Throughout the Universe", Marcel Grossmann, plenary lecture, Rome, July 16
238. 2015 "HEAD Meeting Summary", HEAD conference, Chicago, July 1
237. 2015 "Future Prospects for Gamma-ray Missions", Huntsville seminar, June 5
236. 2015 "Adventures in Time Domain Astronomy", US Naval Observatory colloquium, May 22
235. 2015 "Multi-Messenger Astronomy", Workshop on the Future of LIGO, Washington DC, May 7
234. 2015 "JWST and WFIRST", ISSI-Beijing GRB conference, Beijing, April 17
233. 2015 "Adventures in Time Domain Astronomy", NYU astrophysics seminar, Mar 27
232. 2015 "The WFIRST Mission Status", Microlensing conf., Annapolis, Jan 19
231. 2015 "Gamma Ray Bursts & the Birth of Black Holes", AAS plenary undergrads, Seattle, Jan 5
230. 2014 "Swift Science and Future", Swift 10 Years conference, Rome, Dec 2
229. 2014 "First WFIRST SDT Response to Discussions", WFIRST conference, Pasadena, Nov 20
228. 2014 "Time Domain Astronomy with Swift & Fermi", Transient Workshop, Israel, Oct 22

227. 2014 "Time Domain Astronomy with Swift & Fermi", GMT Workshop, Washington, Oct 9
226. 2014 "Time Domain Astronomy with Swift", INTEGRAL Workshop Annapolis, Sept 15
225. 2014 "Collapsing Matter, Black Holes & GRBs", UAH public lecture, Sept 11
224. 2014 "Adventures in Time Domain Astronomy", UAH, Sept 10
223. 2014 "GRB Astronomy", 4th East Africa Astronomy Workshop, Rwanda, July 2
222. 2014 "GRB Prompt and Afterglow Observations", GRB Conference, Paris, June 6
221. 2014 "Overview of WFIRST Mission Capabilities", AAS, Boston, June 4
220. 2014 "WFIRST Mission and Relation to LISA", LISA Symposium, U. Florida, May 21
219. 2014 "GRBs and the Birth of Black Holes", NAOC Colloquium, Beijing, May 8
218. 2014 "All Sky Monitor Instruments & Science", Dynamic X-ray Universe, Beijing, May 6
217. 2014 "GRBs and the Birth of Black Holes", LPS-U. Maryland seminar, Feb 12
216. 2014 "Gamma Ray Bursts Observations by NASA's Swift Mission", Riderwood, Feb. 6
215. 2014 "GRB Central Engines", GRB-magnetar Thinkshop, Bormio, Italy, Jan 20
214. 2013 "GRB Discoveries with Swift", GRB conf., Kyoto, Nov 11
213. 2013 "Recent Results from Swift", Gamma-Ray Sky conf., U. Minnesota, Oct 10
212. 2013 "Space Gamma Ray Observations as Probes of Particle Acceleration", KIPAC@10, SLAC, Sept 4
211. 2013 "Future high-energy gamma-ray instruments", Relativistic Jets Conf., Sweden, Aug 13
210. 2013 "Gamma Ray Bursts and the Birth of Black Holes", U. Hawaii Astronomy Colloq, May 16
209. 2013 "Gamma Ray Bursts Discoveries with Swift", U. Illinois Astronomy Colloq, Apr 30
208. 2013 "Black Holes", Nashville public talks, Apr 17
207. 2013 "Time Domain Astronomy with Swift and Fermi", UMD Space Physics seminar, Apr 1
206. 2013 "WFIRST-AFTA Mission", Cosmic Frontiers Workshop, SLAC, Mar 6

205. 2013 "GRBs and the Birth of Black Holes", J. Bachall lecture, Weizmann Inst., Feb 7
204. 2013 "Swift GRB Discoveries", Gravitational Waves Conference, Seoul, Jan 16
203. 2013 "Discover and Follow-up of HE Transients with Swift", AAS HEAD, Long Beach, Jan 7
202. 2012 "Gamma Ray Bursts and the Birth of Black Holes", U. Delaware colloq, Nov 28
201. 2012 "NASA Dark Matter and Dark Energy Missions", SpacePart12 conf, CERN, Nov 5
200. 2012 "Current and Future Gamma-Ray Astronomy", 9th INTEGRAL wkshp, Paris, Oct 15
199. 2012 "Recent Progress on GRBs with Swift", Spain GRB conf, Malaga, Oct 10
198. 2012 "WFIRST", Physics of the Cosmos conf, Washington, DC, Aug 15
197. 2012 "The Future of GRB Missions", KITP Rattle & Shine conf, UCSB, July 30
196. 2012 "GRB Opportunities with Swift and Beyond", Liverpool GRB conf, June 18
195. 2012 "High Redshift GRBs", First Stars IV, Kyoto, May 24
194. 2012 "Gamma Ray Bursts and Black Holes", National Air & Space Museum, May 16
193. 2012 "High Energy Transients", Royal Society, London, Apr 24
192. 2012 "GRBs and the Birth of Black Holes", Marker Lecture, Penn State, Mar 21
191. 2012 "WFIRST Project Science Activities", Wide Field IR Science, Caltech, Feb 15
190. 2011 "Gamma Ray Bursts", Goddard retirees, GSFC, Nov 8
189. 2011 "Connecting LIGO to Astronomy", Gravitational Wave conf., Livingston, LA, Oct 27
188. 2011 "Technology Needs for Astrophysics", IAC conference, Cape Town, Oct 5
187. 2011 "Time Domain Astronomy", IAU 285 Time Domain Astronomy, Oxford, Sept 19
186. 2011 "GRBs and the Birth of Black Holes", Astronomy Colloquium, U. Arizona, Sept 13
185. 2011 "Discoveries by Fermi", Asian-Pacific IAU Regional Meeting, Thailand, July 27
184. 2011 "Time Domain Science - Gamma Rays", Wide Field Surveys Workshop, STScI, June 14
183. 2011 "Gamma Ray Bursts", ISSI Acceleration Workshop, Bern, May 16

182. 2011 "Review of Space Gamma-Ray Detectors", KIAA conference, Beijing, Apr 12
181. 2011 "NASA's WFIRST Mission", ASU seminar, Mar 3
180. 2011 "GRBs and the Birth of Black Holes" Library of Congress, Feb 16
179. 2010 "Recent GRB Results from Swift", Astrophysics of NSs & BHs, Bremen, July 16
178. 2010 "GRBs in the Swift Era", Exploring the Extreme Universe, U. Leicester, July 7
177. 2010 "Update on Swift GRBs", Cosmic Chemical Evolution Wkshp, St Michaels, June 3
176. 2010 "GRBs in the Swift Era", International summer school, Cargese, France, May 17
175. 2010 "Gamma Ray Bursts and the Birth of BHs", colloquium, Ohio State U., May 13
174. 2010 "Recent GRB Results from Swift", GRB conference, Kyoto, Apr 19
173. 2010 "Gamma Ray Bursts", HEDLA conference, Caltech, Mar 15
172. 2010 "Gamma Ray Bursts and BH Birth", Indian Institute of Astronomy, Feb 11
171. 2010 "Fermi Gamma Ray Bursts", GeV to TeV Connection, Ringberg Castle, Jan 12
170. 2009 "GRBs and the Birth of Black Holes", US Naval Observatory, Dec 18
169. 2009 "GRBs: Recent Observational Results", Relativistic Outflows Conf., Buenos Aires, Oct 30
168. 2009 "GRB Discoveries with Swift", Physics Colloquium, U. Wisconsin Madison, Oct 16
167. 2009 "GRBs and Birth of Black Holes" George Darwin Lecture, RAS, London, Oct 9
166. 2009 "Swift GRB Discoveries", Nonlinear Processes AP Plasmas, KITB, Santa Barbara, Sept 29
165. 2009 "Rapporteur: Status & Prospects of GRB Astronomy", GRB Conf., Venice, Sept 18
164. 2009 "How Swift has Revolutionized GRB Astrophysics", Fenimore Fest, Los Alamos, Sept 4
163. 2009 "Results from Fermi", Stellar Death & Supernovae, KITP UC Santa Barbara, Aug 19
162. 2009 "GRB Discoveries with Swift", Windows on Universe conference, Blois, France Jun 21
161. 2009 "Gamma Ray Bursts", Fujihara Seminar, Tokyo, May 27
160. 2009 "GRB Discoveries with Swift", Physics & Astronomy Seminar, Rice U., Apr 8

159. 2009 "GRBs and the Birth of Black Holes" Pittsburgh Conference, Mar11
158. 2009 "GRBs and Sky Surveys", ACKS Seminar, SLAC, Feb 19
157. 2009 "GRB Discoveries with Swift", Astrophysics Seminar, McGill U., Feb 10
156. 2008 "Hard X-ray Sky Surveys", Simbol-X Symposium, Paris, Dec 2
155. 2008 "Black Holes", Public Lecture, Huntsville Space Museum, Oct 20
154. 2008 "History of Gamma-Ray Telescopes", ESTEC Symposium, ESTEC, Oct 1
153. 2008 "Sky Surveys & TeV Counterparts", COSPAR E12 Symp., Montreal, July 17
152. 2008 "GRB Science", NNPSS Seminar Series, George Washington U., June 16
151. 2008 "Non-GRB Sources Observed by Swift", MAXI workshop, RIKEN, June 12
150. 2008 "GRB Discoveries with Swift", Physics Colloquium, Ohio U., May 30
149. 2008 "GRBs and the Birth of Black Holes", Public Lecture, Smithsonian, May 1
148. 2008 "GRB Discoveries with Swift", Physics Colloquium, Columbia U., Feb 25
147. 2008 "The Chase To Capture Gamma Ray Bursts", AAAS conference, Feb 16
146. 2008 "Gamma Ray Burst Discoveries with Swift", AAS Rossi Prize lecture, Jan 10
145. 2007 "Short GRBs and Gravitational Waves", MIT Gravitational Wave Conf., Dec 13
144. 2007 "GRB Discoveries with Swift", Physics Colloquium, Brown U., Dec 3
143. 2007 "Future of Gamma Ray Astronomy, Kavli Stanford/SLAC, Nov 9
142. 2007 "Status and Future of Swift", Santa Fe GRB conference, Santa Fe, Nov 5
141. 2007 "GRB Discoveries with Swift", Physics Colloquium, Iowa State U., Oct 29
140. 2007 "Recent Progress in GRB Astrophysics", High Energy Physics Seminar, UMd, Oct 14
139. 2007 "Swift: Understanding GRBs", Villa Olmo conference, Como, Italy, Oct 8
138. 2007 "GRBs and the Birth of Black Holes", UC Dublin evening lecture popular, Sep 25
137. 2007 "GRB Discoveries with Swift", Relativistic Outflows conference, Dublin, Ireland, Sept 24

136. 2007 "GRB Discoveries with Swift", Compact Objects conference, Huangshan, China, July 2
135. 2007 "Very High Energy Emission from GRBs", TeV Future Workshop, Chicago, May 13
134. 2007 "GRB Discoveries with Swift", Institut d'Astrophysique de Paris, May 11
133. 2007 "GRB Discoveries with Swift", Max Planck (MPE) seminar, May 9
132. 2007 "Opportunities for Future Progress with Swift", Swift Future Conf., PSU, May 1
131. 2007 "Short GRB observations with Swift", Ringberg Castle Conf., Munich, Mar 26
130. 2007 "Swift Observations of GRBs and Supernovae", Aspen SN Conf., Feb. 22
129. 2007 "High Energy Gamma Rays from GRBs", GLAST Symp., Stanford, Feb. 7
128. 2006 "Gamma Ray Bursts", Texas Symposium plenary, Melbourne, Dec 11
127. 2006 "GRB Discoveries with Swift", Physics Colloquium, Penn State, Nov. 30
126. 2006 "GRB Discoveries with Swift", National Capital Astron., College Park, Nov 11
125. 2006 "Gamma Ray Bursts", Astronomy Colloquium, U. Maryland, Sept 27
124. 2006 "Space Observations of GRBs", Royal Society Conference, London, Sept 18
123. 2006 "Gamma Ray Burst Discoveries with Swift", COSPAR plenary lecture, July 18
122. 2006 "Recent Results from Swift", INTEGRAL Symposium, Moscow, July 6
121. 2006 "The Global Approach to Swift GRB Science", Swift Symposium, Venice, June 5
120. 2006 "Discoveries with Swift", Spectrum Astro Mission & Technology Lecture Series, May 31
119. 2006 "Gamma-Ray Detectors for H.E. Astrophysics", Space Radiations Wkshp, U. Mich, May 23
118. 2006 "Short GRBs", Massive Star Symposium, STScI, May 10
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| 115-117. | "Swift Results" | UMd Cosmic Ray Seminar | Mar. 6 |
| | | NRAO Colloquium | Mar. 9 |
| | | Princeton IAS Colloquium | Mar. 28 |
114. 2006 "GRB Discoveries with Swift", APS, Apr. 25
113. 2006 "Gamma Ray Bursts", RAS National Astronomy Meeting, Leicester, Apr. 5

112. 2006 "Gamma-Ray Astronomy", Energy Budget in HE Universe, Tokyo, Feb. 23
111. 2006 "Gamma Ray Bursts", Ed Stone 70th Birthday Symposium, Caltech, Feb. 10
110. 2006 "Gamma Ray Bursts", Benjamin Dean lecture series, San Francisco, Feb. 6
109. 2006 "Results from Swift", KITP GRB & SN workshop, Santa Barbara, Jan. 26
108. 2006 "GRB Discoveries by Swift", AAS, Jan 10
107. 2005 "GRBs in the Swift Era", Washington conference, Nov. 30
106. 2005 "GRB Discoveries with Swift", Einstein Legacy, Munich, Nov. 10
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| 100-105. | "Swift Results" | U. Michigan | Oct. 12 |
| | | U. New Hampshire | Oct. 17 |
| | | MIT | Oct. 25 |
| | | U. Heidelberg | Nov. 8 |
| | | Washington University | Dec. 5 |
| | | Hanford LIGO | Dec. 13 |
100. 2005 "GRB Discoveries by the Swift Mission, Munich joint colloq., Oct. 6
99. 2005 "Early Results from Swift", X-Ray Universe, Madrid, Sept. 27
98. 2005 "First Results from Swift", Santorini GRB conference, Sept. 1
97. 2005 "GRBs and Swift Findings", GSFC Colloquium, May 20
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| 93-96. | "Swift Results" | Caltech | May 5 |
| | | UCSC | May 6 |
| | | Harvard SAO | May 12 |
| | | Stanford/SLAC | May 16 |
92. 2005 "First Gamma Ray Burst Observations with Swift", APS, Tampa, Apr. 17
91. 2005 "The Swift Gamma Ray Burst Mission", AAS, San Diego, Jan. 12
90. 2004 "GRB Astrophysics" U. Penn Colloquium, Feb. 11
89. 2003 "Swift - A GRB MIDEX", Santa Fe, Sept. 11
88. 2003 "Swift - A Gamma Ray Burst Explorer", APS, Philadelphia, Apr. 7
87. 2002 "Gamma Ray Burst Discoveries and Swift", U. Maryland Astron. Colloquium, Oct. 2

86. 2002 "Real-Time Gamma Ray Observations with Swift", AAS Albuquerque, June 3
85. 2002 "The Swift GRB Mission", Harvard Sackler Symposium on GRBs, May 20
84. 2002 "GRB Astronomy: The Afterglow Revolution", Leicester U. Phys. Colloquium, Mar. 14
83. 2001 "The Next Generation of Gamma Ray Telescopes in Space", APS, Washington, Apr. 30
82. 2000 "Unidentified High Energy Gamma Ray Sources", Puebla, Mexico Workshop, Oct. 9
81. 2000 "Missions Related to INTEGRAL", 4th INTEGRAL Symp., Alicante, Spain, Sept. 8
80. 2000 "GeV Gamma Ray Astronomy in the GLAST Era", Heidelberg Symposium, June 26
79. 2000 "CGRO Re-entry Narration", NASA TV, June 4
78. 2000 "The Unidentified High Energy Gamma Ray Sources", GSFC LHEA Seminar, May 30
77. 2000 "Missions Related to INTEGRAL", INTEGRAL school, Les Diablerets, Mar. 29
76. 2000 "From AGILE to GLAST", AGILE Workshop, Milan, Mar. 14
75. 2000 "The Swift Gamma Ray Burst Mission", GSFC LASP Seminar, Feb. 10
74. 2000 "Recent Discoveries in Gamma Ray Astronomy", AAPT Convention, Orlando, Jan. 17
73. 1999 "Recent Discoveries in GRB Astrophysics", U. Maryland, Physics Colloq., Dec. 7
72. 1999 "Swift - A Panchromatic GRB MIDEX Mission", 5th Huntsville Symp., Oct. 21
71. 1999 "Gamma Ray Bursts: The Future", UMd October Conf., Oct. 12
70. 1999 "Future Prospects for NASA's γ -Ray Astronomy Program", 5th Compton Symp., Sept. 16
69. 1999 "Cosmic Catastrophes", Delphasus Lecture, UCSC, April 22
68. 1999 "The Swift Gamma Ray Burst MIDEX", HEAD meeting, Charleston, April 12
67. 1998 "Stellar Cataclysms", Smithsonian Frontiers in Astronomy lecture, Washington, Oct. 28
66. 1998 "GLAST, The Next Generation Gamma Ray Mission", VERITAS Wkshp, Boston, Oct. 24
65. 1998 "Recent Discoveries in Gamma Ray Burst Astronomy", UMd October Conf., Oct. 14
64. 1997 "Recent Discoveries in Gamma Ray Bursts", Penn State University, Dec. 12

63. 1997 "Gamma Ray Bursts", 8th October Astrophys. Conf., after-dinner speach, Oct. 14
62. 1997 "Status of the Compton Observatory", 4th Compton Symp, Williamsburg, Apr. 28
61. 1997 "The High Energy Sky", Violent Universe public workshop, Williamsburg, Apr. 26
60. 1997 "Gamma-Ray Transients", All-Sky Monitor meeting, Tokyo, Mar. 3
59. 1997 "Gamma-Ray Astronomy: Promise for the Future", STAIF, Albuquerque, Jan. 28
58. 1996 "Gamma-Ray Lines - GRO", Wrkshp Low-Med. Gamma Rays, Lansdowne, Nov. 15
57. 1996 "The Gamma Ray Sky", Discover Goddard, GSFC Visitor's Center, Oct. 27
56. 1996 "The GRAPWG Report", Workshop on Hi-E Gamma-ray Telescope, GSFC, Sept. 4
55. 1996 "Gamma Ray Sky Surveys", IAU Colloquium 179 Baltimore, August 27
54. 1996 "The INTEGRAL Mission", SPIE meeting Denver, Aug 6
53. 1996 "Burst ArcSecond Imaging & Spectroscopy Mission", SPIE meeting, Denver, Aug 5
52. 1996 "Recent Results from the Compton Observatory", ISDC, Geneva Observatory, May 24
51. 1996 "Burst ArcSecond Imaging & Spectroscopy Mission", HEAD meeting, San Diego, May 1
50. 1996 "Recent Results from the Compton Observatory", ASCA Symp. Tokyo, March 14
49. 1995 "The Gamma Ray Obs.: TDRS and GRTS to the Rescue", TDRSS Symposium, Dec. 5
48. 1995 "Gamma-Ray Bursts", UMd - Goddard Interaction Day, November 17
47. 1995 "Gamma-Ray Observations of AGN", Goddard LHEA Seminar, September 26
46. 1995 "Recent Results from the Compton GRO", UMd, Astronomy Colloquium, September 20
45. 1995 "Gamma-Ray Observations of AGN", ITP Workshop, Santa Barbara, August 21
44. 1995 "Supernovae, Quasars and Bursts: The Violent Gamma Ray Sky, Universe '95, June 24
43. 1995 "Status of the Compton Gamma Ray Observatory", 3rd Compton Symp. Munich, June 11
42. 1995 "Highlights from CGRO", Frascati Workshop, May 22
41. 1994 "Hard X-ray & Gamma-Ray Imaging with Solid State Detectors", Capri, September 29

40. 1994 "The History of Gamma Ray Astronomy", Les Houches, January 25
36. 1994 "GRO Results" AAS, Washington Jan. 12
 Rice University, Houston Feb. 17
 Lunar & Planetary Inst., Houston Feb. 18
 ASCA Symposium, Tokyo Mar. 9
35. 1993 "Supernovae, Quasars and Bursts", Cosmos Club, December 16
34. 1993 "The Cosmic Diffuse Gamma-Ray Background", STScI Meeting for Giacconi, May 18
33. 1993 "The New Gamma Ray Sky", APS, April 15
32. 1993 "Gamma Rays from Active Galactic Nuclei: GRO Surprises", AAS, January 6
29. 1993 "GRO Results" INTEGRAL Workshop, Les Diablerets Feb. 2
 Argonne National Laboratory, Chicago Feb. 12
 U. Virginia Nov. 23
28. 1992 "GRO and the Gamma Ray Sky", TRW, Discover Award presentation, December 18
27. 1992 "The Gamma Ray Sky", Smithsonian Astronomy Series, Ripley Center, November 14
26. 1992 "Background Suppression Techniques for Germanium Detectors", ESTEC Detector Symposium, Nov. 10
25. 1992 "The Compton Observatory in Perspective", Compton Symp., St. Louis, Oct. 15
24. 1992 "Gamma-Ray Lines from Astrophysical Sources", COSPAR, Washington, Sept. 4
23. 1992 "Mysteries of the Gamma Ray Sky Revealed: The Compton Observatory's First Year", Goddard Employee Colloquium, April 7
22. 1992 "Present Status of the Compton Observatory" & "Observations of Positron Annihilation Sources in the Galactic Center", Toulouse Symposium, March 17
15. 1992 "GRO First Results" Center for Astrophysics Jan. 9
 Columbia University Physics Jan. 14
 Goddard Scientific Colloquium Feb. 21
 Einstein Planetarium, Air & Space Museum Apr. 1
 APS Washington meeting Apr. 22
 Canadian Astronomical Society, Halifax June 28
 Indiana University Physics Nov. 4
8. 1991 "GRO First Results", UCSD Astrophysics Nov. 5

Berkeley Physics	Nov. 6
Lawrence Livermore National Lab	Nov. 8
University of Maryland Physics	Nov. 19
MIT Astrophysics	Dec. 3
Penn State Astrophysics	Dec. 5
Space Telescope Science Institute	Dec. 11

7. 1991 "The Gamma-Ray Observatory", ICRC, Dublin, Ireland, August 16.
6. 1990 "Observations of the Galactic Center 511 keV Line", Saclay Symposium, Dec. 10.
5. 1990 "High Resolution Gamma-Ray Astronomy", COSPAR, July 3.
4. 1990 "The Galactic Center", Astrophysics from the Moon, Annapolis, MD, February 6.
3. 1990 "Black Holes and Positron Mysteries at the Galactic Center", Goddard Colloquium, Jan. 26.
2. 1989 "Trends in Gamma-Ray Spectroscopy", High Energy Astrophysics in 21st Century, Dec. 12.
1. 1988 "Studying Explosive Nucleosynthesis with Gamma-Ray Line Spectroscopy", Astrophysics with GRASP Workshop, Meudon, France, May 31.

POPULAR AND REVIEW PUBLICATIONS:

12. 2013 "Gamma-Ray Bursts in the Swift-Fermi Era", N. Gehrels & S. Razzaque, *Frontiers of Phys.*, 8, 661
11. 2012 "Gamma Ray Bursts and Their Links with Supernovae and Cosmology", P. Meszaros & N. Gehrels, *Research in Astron. Astrophys.*, 12, 1139.
10. 2012 "Gamma Ray Bursts", N. Gehrels & P. Meszaros, *Science*, 337, 932.
9. 2009 "Gamma Ray Bursts in the Swift Era", N. Gehrels, E. Ramirez-Ruiz & D.B. Fox, *ARAA*, 47, 567.
8. 2008 "Swift Observations of Gamma Ray Bursts", N. Gehrels, *Int. J. Mod. Phys.*, 17, 1311.
7. 2008 "Swift Gamma Ray Bursts and Other Explosions", J. Osborne, N. Gehrels & J. Nousek, *Space Research Today*, 172, p. 17.
6. 2008 "GLAST Goes for Blast-Off", J. McEnery, S. Ritz, & N. Gehrels, *Physics World*, May 2008 issue, p. 31.
5. 2007 "Gamma-ray bursts in the Swift era", N. Gehrels, et. al., *New J. Phys.*, 9, 37.
4. 2002 "The Brightest Explosions in the Universe", N. Gehrels, L. Piro and P Leonard, *Sci. Am.*, 287, No. 6, (Dec. 2002), p. 84.
3. 1999 "Revisiting the Black Hole", R. Blandford and N. Gehrels, *Physics Today*, June 1999 issue, p. 40.
2. 1998 "The New Gamma Ray Astronomy", N. Gehrels and J. Paul, *Physics Today*, February 1998 issue, p. 26.
1. 1993 "The Compton Gamma Ray Observatory", N. Gehrels, C. E. Fichtel, G. J. Fishman, J. D. Kurfess and V. Schönfelder, *Sci Am*, December, 68.

PUBLICATIONS IN REFEREED JOURNALS:

547. 2015 "Space Telescope and Optical Reverberation Mapping. III. Optical Continuum Emission and Broad Band Time Delays in NGC 5548", M.M. Faushnaugh, et al, *ApJ*, submitted.
546. 2015 "Happy Birthday Swift: Ultralong GRB 141121A and Its Broad-band Afterglow", *ApJ*, submitted

545. 2015 "The Central Engine of GRB 130831A and the Energy Breakdown of a Relativistic Explosion", M. De Pasquale, et al., MNRAS,
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